

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S13	73387	(first or second or multiple) near5 wavelength\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/09 20:24
S14	51507	(wavelength near5 select\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/09 20:24
S15	8204	S13 same S14	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/09 20:25
S16	41747	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/05/09 20:25
S17	208	S15 and 16'	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/09 20:25
S18	208	S15 and S16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 11:50
S21	175784	(third or plurality) near5 (wavelength\$1 or light or laser)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 11:50
S22	51560	(wavelength near5 select\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 11:50
S23	51560	S22	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 11:50
S24	17014	S21 and S23	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 11:50

## EAST Search History

S25	41780	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/05/11 11:50
S26	41780	S25	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 11:51
S27	41780	S25 and S26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 11:51
S28	509	S24 and S25	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 11:51
S29	239958	(distance or length or spac\$3 or gap) near5 (laser\$1 or light\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 11:52
S30	321	S28 and S29	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 11:52
S31	159660	(distance or spac\$3) near5 (laser\$1 or light\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 11:53
S32	248	S28 and S31	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 11:53
S33	13524	(laser\$1 or light\$1) near5 (stack\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 11:54
S34	24	S32 and S33	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 12:43

## EAST Search History

S35	403524	(stacked or layer\$2 or three or third) near5 (wavelength or laser\$1 or light\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 12:44
S36	178084	(distance or spac\$3 or gap) near5 (light\$1 or laser\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 12:44
S37	18507	S35 same S36	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 12:44
S38	109437	(optical near5 (pickup or pick-up or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 12:45
S39	1334	S37 and S38	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 12:45
S40	127144	(three or third) near5 (light\$1 or laser\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 12:45
S41	864	S39 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 12:45
S42	376282	(cd or dvd or hdvd)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 12:46
S43	367	S41 and S42	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 12:48
S44	58	S43 and S32	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 12:48

## EAST Search History

S45	367	S43 and S37	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 13:14
S46	32710	(blue or 405nm or "405 nm") and (red or 650nm or "650 nm") and (infrared or 780nm or "780 nm")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 13:16
S47	1761	S38 and S46	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 13:15
S48	860	S40 and S47	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 13:16
S49	464	S36 and S48	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 13:16
S50	423	S31 and S49	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 13:16
S51	6884	(blue or 405nm or "405 nm") same (red or 650nm or "650 nm") same (infrared or 780nm or "780 nm")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 13:16
S52	186	S49 and S51	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 13:20
S56	236908	(three or third or plurality) near5 (laser\$1 or light\$1 or wavelength\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 13:30
S57	109437	(optical near5 (pickup or pick-up or head))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 13:30

## EAST Search History

S58	1119967	(module or package)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 13:32
S59	8364	S56 same S58	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 13:33
S60	661	S57 and S59	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 13:33
S61	291	S42 and S60	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 13:36
S62	70	S51 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 14:44
S63	29732	((focus\$3 or conver\$3) near5 (lens or element)) near8 (photodetect\$3 or detect\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 14:44
S64	41780	("369").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/05/11 14:45
S65	3144	S63 and S64	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 14:45
S66	367	S56 and S45	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/11 14:58
S67	496	((plurality or three) near5 (wavelength\$1 or laser\$1 or light\$1)) same (module or packag\$3)	JPO	OR	OFF	2006/05/11 14:59
S68	270	((plurality or three) near5 (wavelength\$1 or laser\$1 or light\$1)) near9 (module or packag\$3)	JPO	OR	OFF	2006/05/11 15:01

## EAST Search History

S69	66240	(disc or disk or medium) near5 optical	JPO	OR	OFF	2006/05/11 15:00
S70	6	S68 same S69	JPO	OR	OFF	2006/05/11 15:00
S71	496	((plurality or three) near5 (wavelength\$1 or laser\$1 or light\$1)) same (module or packag\$3)	JPO	OR	OFF	2006/05/11 15:01
S72	25129	((plurality or three) near5 (wavelength\$1 or laser\$1 or light\$1))	JPO	OR	OFF	2006/05/11 15:01
S73	650	S69 same S72	JPO	OR	OFF	2006/05/11 15:01
S74	13	(dvd and cd) same S73	JPO	OR	OFF	2006/05/11 15:06